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number : **09-277649**(71) **TOYOTA MOTOR CORP**
Applicant :(22)Date of filing : **09.10.1997**(72)Inventor : **OGURA YOSHITSUGU**
YOSHIDA TAKESHI

(30)Priority

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number : **09 6572** date : **17.01.1997** country : **JP****(54) CATALYST FOR EXHAUST GAS PURIFICATION AND MANUFACTURE THEREOF**

(57)Abstract:

PROBLEM TO BE SOLVED: To further improve the durability by increasing the inhibitive effects upon the poisoning of an occlusion material by sulfur and at the same time, inhibiting the sintering of a catalytic noble metal, in an occlusion reduction-type catalyst.

SOLUTION: This catalyst for exhaust gas purification comprises a core part 10 made up of a first carrier and an NOx occlusion material contained in the first carrier and a catalyst carrying layer 11 made up of a second carrier and a catalytic noble metal contained in the second carrier and formed on the surface of the core part 10. SOx is prevented from reaching the core part 10 by the catalyst carrying layer 11 and the sintering of the catalytic noble metal is prevented from occurring as the NOx occlusion material is separated from the catalytic noble metal.

